A **prediction**-based **model** for **virtual machine** live **migration** monitoring in a cloud datacenter

SE Motaki, A Yahyaouy, H Gualous - Computing, 2021 - Springer

… **prediction**-based **model** to manage the live **migration** process of VMs is introduced. Our adaptive **model** dynamically identifies the optimal live **migration** … relevance of **regression trees** in …

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A **prediction**-based **model** for **virtual machine** live **migration** monitoring in a cloud datacenter

S El Motaki, Y Ali, G Hamid - Computing. Archives for …, 2021 - search.proquest.com

… **prediction**-based **model** to manage the live **migration** process of VMs is introduced. Our adaptive **model** dynamically identifies the optimal live **migration** … relevance of **regression trees** in …

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Migration-based load balance of **virtual machine** servers in cloud computing by load **prediction** using genetic-based methods

LH Hung, CH Wu, CH Tsai, HC Huang - IEEE Access, 2021 - ieeexplore.ieee.org

… for the **migration**-based load balance of **virtual machine** hosts (… First, performance **models** of **virtual machines** (VMs) are … for generating symbolic **regression models** that describe the …

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Embedding individualized **machine** learning **prediction models** for energy efficient VM consolidation within Cloud data centers

SM Moghaddam, M O'Sullivan, C Walker… - Future Generation …, 2020 - Elsevier

… physical hosts by live **migration** of **Virtual Machines** (VMs). However, the **migration** of VMs can … We also used another boosted **decision tree** named Gradient Boosting. It utilized week …

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Machine-learning-based approach for **virtual machine** allocation and **migration**

S Talwani, J Singla, G Mathur, N Malik, NZ Jhanjhi… - Electronics, 2022 - mdpi.com

… neighbors (KNN) and **decision tree classification** algorithms concerning energy consumption… The **decision trees**, E-ABC, CS-FA were able to accurately identify and **predict** VM **migration** …

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Virtual network functions **migration** cost: from identification to **prediction**

R de Jesus Martins, CB Both, JA Wickboldt… - Computer Networks, 2020 - Elsevier

… In contrast to traditional virtualization realized by **Virtual Machine** (VM), newer container virtualization technologies emerge with the promise of lighter, more efficient virtualization [3]. …

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A **regression tree predictive model** for **virtual machine** startup time in IaaS clouds

Y Govindaraju, HA Duran-Limon, E Mezura-Montes - Cluster Computing, 2021 - Springer

… a **regression tree model** for **predicting** average, minimum, and maximum VM startup times. To test the efficiency of our **model**, we implemented the **model** in … only VM **migration** time as an …

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Regression Analysis of **Predictions** and Forecasts of Cloud Data Center KPIs Using the Boosted **Decision Tree** Algorithm

TW Gyeera, AJH Simons… - IEEE Transactions on Big …, 2022 - ieeexplore.ieee.org

… resources or the **migration** of a DB workflow can be enforced. … characteristics of the **virtual machines** provisioned in Azure to be … is evenly distributed among multiple **virtual machines** [8]. …

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A **machine** learning-based optimization approach for pre-copy live **virtual machine migration**

RM Haris, KM Khan, A Nhlabatsi, M Barhamgi - Cluster Computing, 2023 - Springer

… **model** to **predict** the optimal time for live **migration**: We developed a **machine**-learning **model** using identified features to **predict** … the importance of **regression trees** in terms of accuracy. …

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Efficient VM **migrations** using **forecasting** techniques in cloud computing: a comprehensive review

M Masdari, H Khezri - Cluster Computing, 2020 - Springer

… **prediction** algorithms to **forecast** various **migration** and VM-related factors. This paper presents an extensive survey and taxonomy of the **predictive** VM **migration** … the VM **migration** and …

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